Title (en)
## SECURE FAST REBOOT OF A VIRTUAL MACHINE

Title (de)
## SICHERER SCHNELLER NEUSTART EINER VIRTUELLEN MASCHINE

Title (fr)
## RÉINITIALISATION RAPIDE ET SÉCURISÉE D'UNE MACHINE VIRTUELLE

Publication
**EP 3889786 A1 20211006 (EN)**

Application
**EP 21164669 A 20210324**

Priority
US 202016834674 A 20200330

Abstract (en)
A system for managing a virtual machine is provided. The system includes a processor configured to initiate a session for accessing a virtual machine by accessing an operating system image from a system disk and monitor read and write requests generated during the session. The processor is further configured to write any requested information to at least one of a memory cache and a write back cache located separately from the system disk and read the operating system image content from at least one of the system disk and a host cache operably coupled between the system disk and the at least one processor. Upon completion of the computing session, the processor is configured to clear the memory cache, clear the write back cache, and reboot the virtual machine using the operating system image stored on the system disk or stored in the host cache.

IPC 8 full level
**G06F 12/0804** (2016.01); **G06F 9/455** (2018.01); **G06F 12/0842** (2016.01); **G06F 12/0866** (2016.01); **G06F 12/0871** (2016.01)

CPC (source: EP US)
**G06F 9/4406** (2013.01 - EP); **G06F 9/45558** (2013.01 - EP US); **G06F 9/5016** (2013.01 - US); **G06F 12/0804** (2013.01 - EP);
**G06F 12/0811** (2013.01 - US); **G06F 12/0842** (2013.01 - EP); **G06F 12/0866** (2013.01 - EP); **G06F 12/0871** (2013.01 - EP);
**G06F 12/0891** (2013.01 - US); G06F 2009/45562 (2013.01 - US); G06F 2009/45575 (2013.01 - EP); G06F 2009/45583 (2013.01 - US);
G06F 2009/45595 (2013.01 - US); G06F 2212/151 (2013.01 - EP); G06F 2212/6042 (2013.01 - EP)

Citation (search report)
- [X] US 2014223096 A1 20140807 - ZHE YANG JERENE [US], et al
- [A] US 2016055018 A1 20160225 - USGAONKAR AMEYA PRAKASH [IN], et al
- [A] US 2014068183 A1 20140306 - JOSHI VIKRAM [US], et al
- [A] US 2015178110 A1 20150625 - LI HUI [US], et al
- [A] US 2017308473 A1 20171026 - BASSI AJAI KUMAR [GB]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
**EP 3889786 A1 20211006**; US 11481325 B2 20221025; US 2021303469 A1 20210930

DOCDB simple family (application)
**EP 21164669 A 20210324**; US 202016834674 A 20200330